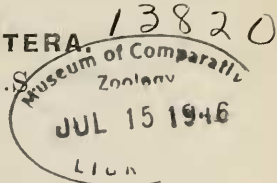


ABERRATIONS OF BRITISH MACROLEPIDOPTERA.

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(With 2 Plates.)



The aberrations of British *Noctuidae* and *Geometridae* described below are in my collection unless otherwise stated.

Agrotis trux, Hbn., ssp. *lunigera*, Steph.

Ab. **asticta**, ab. nov. (Pl. 1, fig. 1.)

The black ring around the orbicular stigma is absent and there is no trace of the claviform stigma; in other respects it is normal.

Type: ♂, Freshwater, I. of Wight, 1903; Dewar.

Agrotis ripae, Hbn.

Ab. **signata**, ab. nov. (Pl. 1, fig. 2.)

Forewing—The ground colour of the median area is pale grey with a faint rufous tinge and that of the marginal area is pale grey; the stigmata are outlined with brown; the submarginal line is bordered internally with dark brown. Hindwing—Whitish with distinct grey-brown submarginal shading. The dark submarginal shading in both wings distinguishes it from other forms.

Type: ♂, Pendine, Carmarthen, 1910; Dewar.

Amathes xanthographa, Schiff.

Ab. **pallidior**, ab. nov. (Pl. 1, fig. 3.)

Forewing very pale brownish white with the usual markings faintly visible, hindwing whitish with the marginal shade just visible.

Type: ♂, North Shoebury, Essex, viii.1891; F. J. Hanbury.

Paratypes: 1 ♂, Shoeburyness, Essex, viii.1891; F. J. Hanbury. 1 ♂, Bruckley, Morley Coll., Tolson Memorial Museum, Huddersfield.

Diarsia festiva, Hbn.

Ab. **cingulata**, ab. nov. (Pl. 1, fig. 4.)

Forewing—Ground colour pale yellowish grey; a broad blackish band due to a thick sprinkling of black scales runs across the middle of the wing extending from the external border of the orbicular to the post-median line; the submarginal line is present, but faint.

Type: ♂, Woolmer Forest, Hants., 28.vi.1914; J. E. Eastwood.

Triphaena comes, Hbn.

Ab. **sagittifer**, ab. nov. (Pl. 1, fig. 8.)

Forewing—Ground colour pale brownish grey; basal, antemedian, and post-median lines blackish brown, the postmedian united to the series of dots lying between it and the submarginal line so as to form a series of marks like arrow-heads; the antemedian is united to the black mark on the costa and to the black dots on the median nervure and nervure 2 so as to form three loops; the orbicular and reniform are filled in with blackish brown.

Type: ♂, F. Bond Coll., Baron Bouck Coll.

I have seen specimens of this aberration from the Hebrides.

Triphaena pronuba, L.Ab. **fumata**, ab. nov.

The ground colour of the forewing is a deep blackish brown with black markings; hindwing suffused with brown becoming yellower towards the base and inner margin.

Type: ♂, Wallasey, 1910; H. Massey.

Ceramica pisi, L.Ab. **pulchra**, ab. nov. (Pl. 1, fig. 6.)

Forewing—From the base to the central fascia the ground colour is pinkish white crossed by the purplish red basal and antemedian lines, which are united by longitudinal lines of the same colour running along the costa, median nervure, and inner margin; the orbicular stigma and all other markings are absent; the purplish red median fascia is quite straight and distinct, the position of the reniform is shown only by the dark line forming its external border and this is continuous with the inner part of the postmedian line. The rest of the wing is normal. The two clear transverse bands of pinkish white and the absence of stigmata and secondary markings make it a very remarkable and beautiful aberration.

Type: ♂, Slichichan, Skye. Bred v.1927; W. S. Gilles.

Apamea rurea, F.Ab. **albata**, ab. nov.

The markings of the forewing are of the usual colour and pattern, but the ground colour is pure white.

Type: ♂, I. of Lewis, Outer Hebrides, 1901; MacArthur.

The parallel form in *Apamea secalis*, L., is ab. *struvei-excessa*, Turner.

Rusina umbratica, Goeze. (*tenebrosa*, Hbn.).Ab. **albescens**, ab. nov. (Pl. 1, fig. 5.)

The forewings, thorax, antennae, legs, and abdomen are bone coloured, the colour of the palest form of *Rhizedra lutosus*, Hbn., and there are no markings whatever. The hindwings are whitish with a faint brown tinge.

Type: ♂, Woolmer Forest, Hants., 23.vi.1914; J. E. Eastwood.

Amphipyra pyramidea, L.Ab. **lutescens**, ab. nov.

The forewings and thorax are paler than usual, and the copper colour of the hindwings is replaced by shining creamy yellow.

Type: ♂, Tremaine, Cornwall, 23.viii.1932; C.W.W.H., H. B. D. Kettlewell Coll.

Ab. **insignis**, ab. nov. (Pl. 1, fig. 9.)

The ground colour of the forewing is bone coloured and the only markings are the black postmedian line bordered internally by blackish brown to form a dark transverse band, the black stripe joining the postmedian to the inner half of the reniform, the blackish brown ring and central dot of the orbicular, the line joining it to the antemedian, and the antemedian line itself.

